

Title (en)

Method for forming tetraoxy-silane derived antiwear films and lubricating oil compositions therefrom

Title (de)

Verfahren zur Herstellung von Anti-Verschleiß-Filmen aus Tetraoxysilan und entsprechende Schmierölzusammensetzungen

Title (fr)

Procédé pour la formation de films anti-usure dérivés de tétraoxy-silane et compositions d'huile lubrifiante correspondantes

Publication

EP 1894986 A3 20100728 (EN)

Application

EP 07253071 A 20070803

Priority

US 51520806 A 20060831

Abstract (en)

[origin: EP1894986A2] Disclosed is a method for forming an antiwear film on an internal engine component comprising: contacting a surface of an internal wearing component of the engine with a tetra-functional hydrolyzable silane compound of the general formula Si-X 4 or hydrolysis product thereof, wherein X is independently selected from the group consisting of hydroxyl, alkoxy, aryloxy, acyloxy, amino, monoalkyl amino and dialkyl amino; and hydrolyzing and condensing the tetra-functional silane to thereby form a film. Also disclosed are mixed silane films and the products produced by these methods.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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